

EXHIBIT E-1  
SPACING AND INTERFERENCE STUDY  
KKHI-FM PROPOSED BOOSTER  
BOULDER, COLORADO  
CHANNEL 288D  
FCC FORM 349  
JANUARY 2004

This application is filed on behalf of Laramie Mountain Broadcasting, LLC ("LMB") permittee of KKHI-FM Timnath, Colorado. It is for a new fill-in on channel booster station to operate at Boulder, Colorado.

LMB seeks to operate this booster from an existing antenna site near Boulder with an effective radiated power of 50 watts both horizontal and vertical polarizations with an antenna height of 1968 Meters AMSL.

The new booster proposes fill-in service and the predicted 60 dbu (F50,50) will be entirely contained within the 60 dbu predicted contour of the proposed 60 dbu (F 50,50) of KKHI-FM Timnath, Colorado, operating on channel 288C1, with 58 KW ERP at 381 M HAAT. Figure 1 of this exhibit shows the proposed 60 dbu contour of the new booster and the proposed 60 dbu protected contour of KKHI-FM Timnath, Colorado.

Figure 2 shows a channel spacing study for proposed booster station operating at the proposed new antenna site. It shows that a normal class A spacing study (a class A study was used since the proposed facility will operate with less than class A facilities) is only short spaced with KKHI-FM Timnath (the primary station), KALC Denver on channel 290C and KXKL Denver on channel 286C, both of these stations are on second adjacent channels, and therefore are not afforded protection under the current fill-in booster rules. The new booster is also IF channel short spaced towards KRKS(FM) Lafayette, Colorado on channel 234C. While this is short spaced under normal booster

rules, the proposed booster is less the 100 watts ERP, and therefore is exempt from any IF spacing requirements. The booster is also short spaced towards co-channel KSKX Security, Colorado. Figure 3 shows an interference study conducted towards KSKX. It shows that there will be any prohibited overlap between the two stations.

It was concluded that the new proposed booster station at Boulder will not cause any interference to any co-channel, first adjacent channel stations or IF adjacent channel stations.

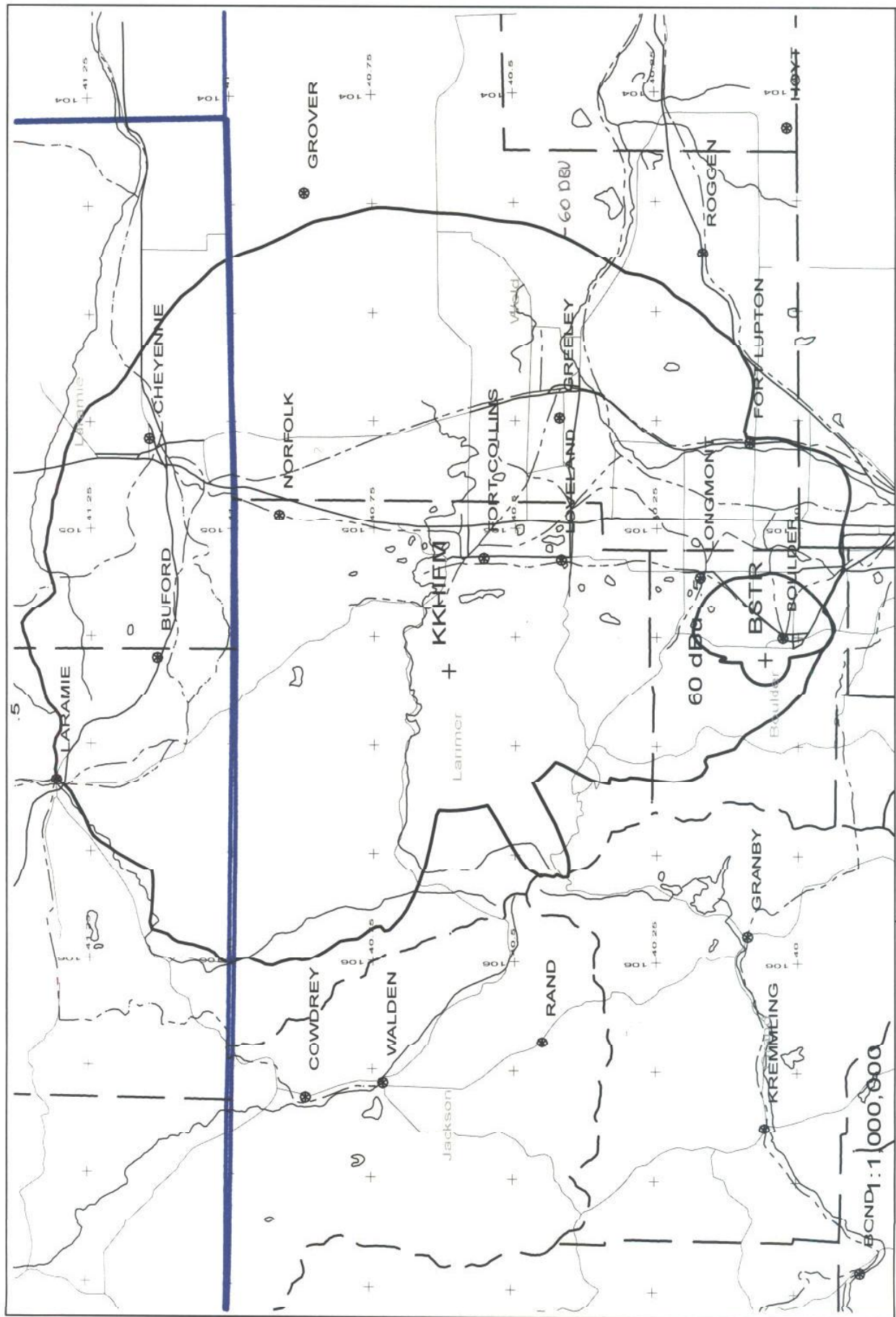


Exhibit E-1, Figure 2  
KKHI-FM Booster, Boulder, Colorado

REFERENCE  
40 03 28 N  
105 18 02 W

CLASS = A  
Current Spacings

DISPLAY DATES  
DATA 01-23-04  
SEARCH 01-23-04

----- Channel 288 - 105.5 MHz -----

Call	Channel	Location		Dist	Azi	FCC	Margin
KKHIFM	APP-N 288C1	Timnath	CO	62.19	357.9	200.0	-137.81
KKHIFM	APP-N 288C1	Timnath	CO	62.19	357.9	200.0	-137.81
KKHIFM	APP-N 288C1	Timnath	CO	62.19	357.9	200.0	-137.81
KKHIFM	CP -N 288C2	Timnath	CO	62.19	357.9	166.0	-103.81
KALC	LIC-D 290C	Denver	CO	36.47	171.4	95.0	-58.53
KALC.C	CP 290C	Denver	CO	36.51	171.3	95.0	-58.49
KSKX.A	APP-N 288C1	Security	CO	150.63	165.4	200.0	-49.37
KXKLFM	LIC 286C	Denver	CO	51.42	171.3	95.0	-43.58
KRKSFM	LIC-D 234C	Lafayette	CO	4.81	289.2	29.0	-24.19
KSKX.A	APP-Z 288C2	Security	CO	150.63	165.4	166.0	-15.37
RADD	ADD 288C2	Security	CO	155.73	164.9	166.0	-10.27
KKHIFM	LIC-N 288C3	Laramie	WY	137.09	355.0	142.0	-4.91
KSKX	LIC 288C3	Security	CO	150.63	165.4	142.0	8.63
RDEL	DEL 288C3	Security	CO	150.63	165.4	142.0	8.63
KRKSFM	CP 234C	Lafayette	CO	45.26	200.4	29.0	16.26
ALLO	VAC 288C3	Genoa	CO	187.57	112.9	142.0	45.57
RDEL	DEL 288C3	Genoa	CO	187.57	112.9	142.0	45.57
RADD	ADD 289C2	Hayden	CO	166.74	291.4	106.0	60.74